

FIG. 1A

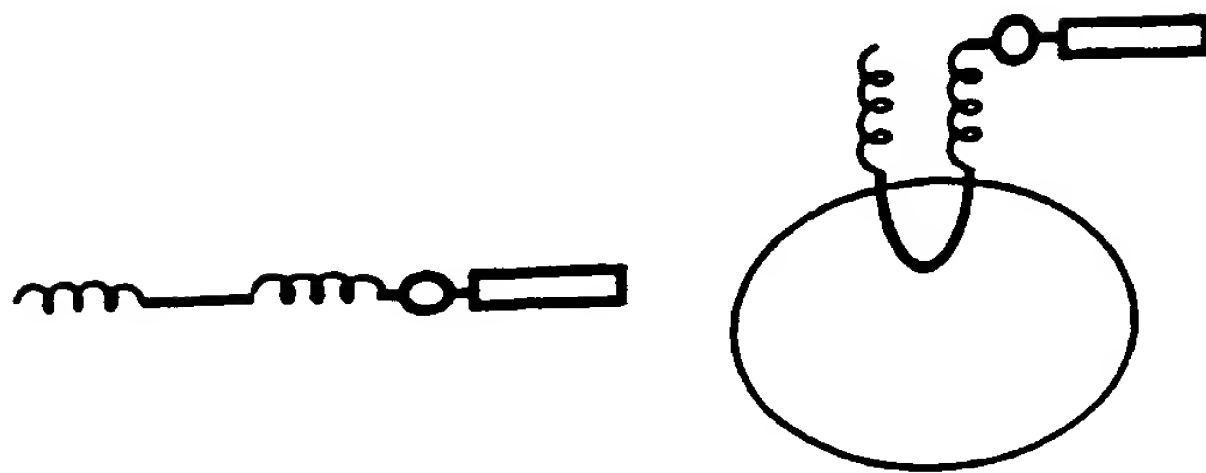


FIG. 1B

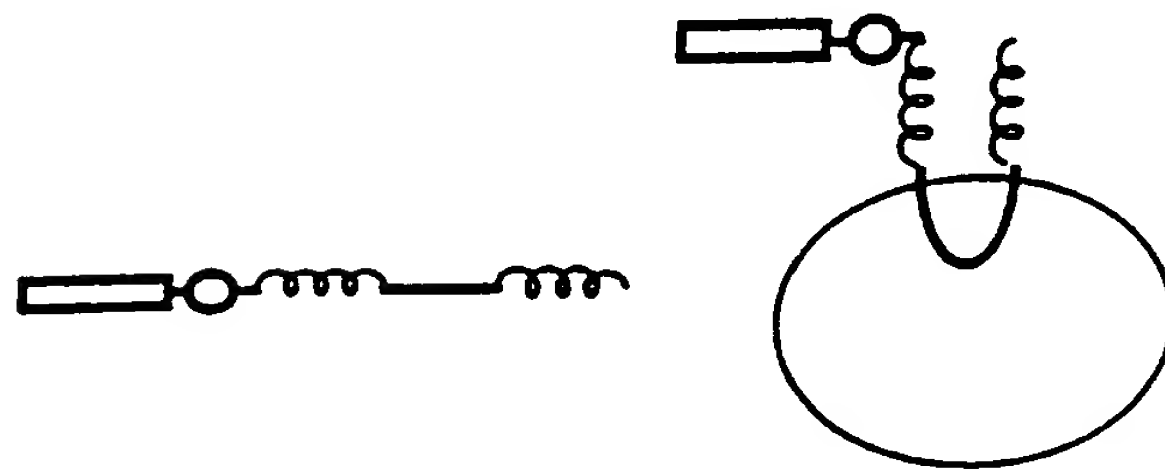


FIG. 1C

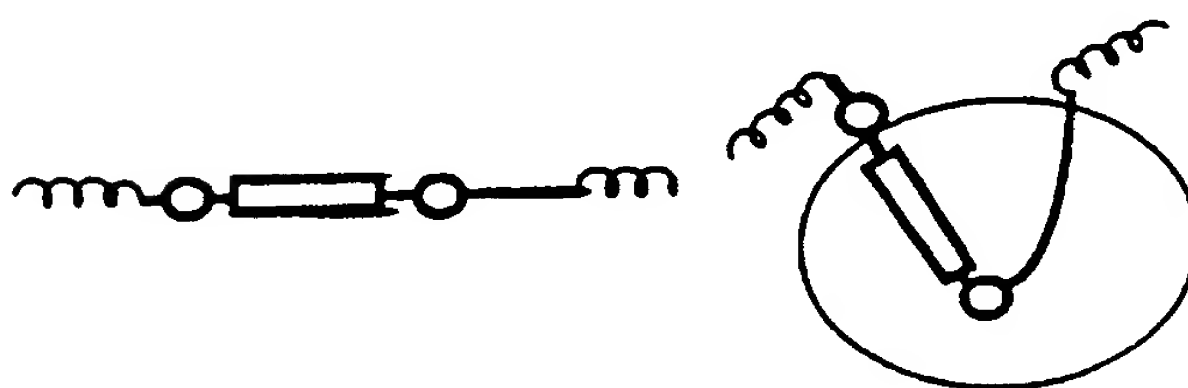
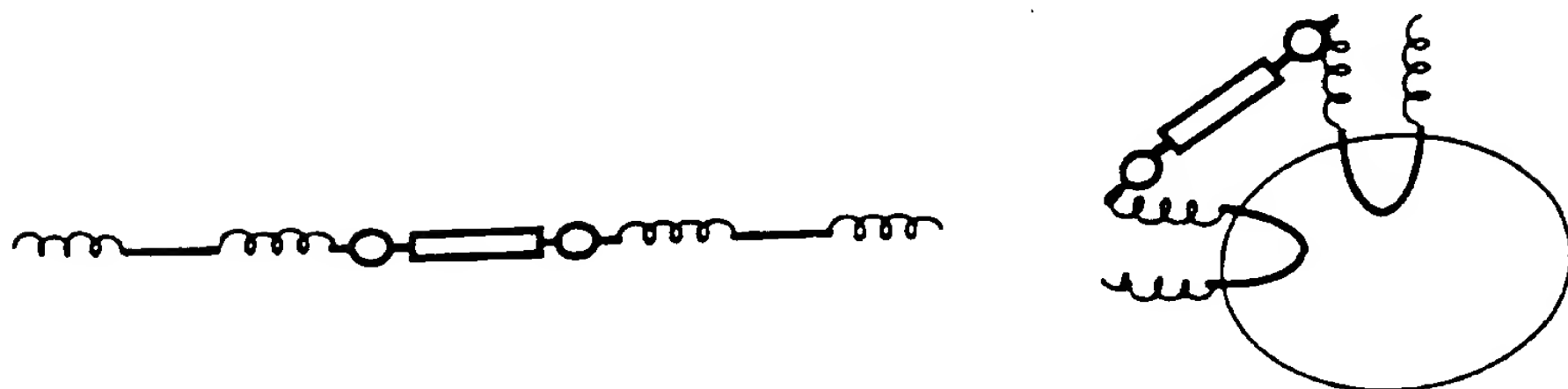


FIG. 1D



## FIGURE 2

867 Not  
CCATGGCTATACCCAACCTCGGTCTTGGTCACACCAGGAACCTCTCTGGTAAGCTAGCTCCACTCCCCAGAAACAACCGCGCCCAAATTGC

777 CGGAATTGCTGACCTGAAGACGGAAACATCATCGTCCGGTCTTGGGCGATTGCGGCGGAAGATGGGTGAGCTTGGGCTTCAGGACGAGAC

687 CGGAATCGAGTCTGTTGAAAGGTTGTTCAATTGGGATTTGTATAAGGAGATTGGTCTGCGAGAGGTTTGAGCGAAAGGACAAATGGGTTTG  
R1

597 GCTCTGGAGAAAGAGAGTGGGCTTTAGAGAGAGAAATTGAGAGGTTTAGAGAGAGATGCGCGCGGATGACGGGAGGAGAGACGACGAGG  
R2 R2

507 ACCTGCATTATCAAAGCAGTGACGTGGTGAATTTGGAACTTTTAGAGGCGAGATAGATTTATTATTGTATCCATTTTCTTCATTGTTTC  
R1

417 TAGAATGTCCGGAACAAATTTTAAACTAAATCCTAAATTTTCTAAATTTTGTTCGCAATAGTGGATATGTGGGCGGTATAGAAGGAAT

327 CTATTGAAGGCGCAACCCATACTGACGAGCCCAAGGTTCTGTTTTCGTTTATGTTTTCGTTTCGATGCCAACGCCACATTCTGAGCTA  
I

237 GGCAAAAACAAACGTGTCTTTGAATAGACTCCTCTCGTTAACACATGCAGCGGCTGCATGGTGACGCCATTAAACGCTGGCTTACAATT

147 GCATGATGTCTCCATTGACACGTGACTTCTCTCTCTCTTCTTAATATATCTAACAAACACTCCTACCTCTTCCAAAATATATACACATC

57 TTTTGTATCAATCTCTCATTCAAAATCTCATTCTCTCTAGTAAACAAGAACAAAAAATGCCGATACAGCTAGAGGAACCCATCAGGAT  
M A D T A R G T H H D

34 ATCATCGGCAGAGACCACTACCCGATGATGGGCGGAGACCGAGACCACTACAGATGTCCGAGCGAGGATCTGACTACTCCAAGTCTAGG  
I I G R D O Y P M M G R D R D O Y O M S G R G S D Y S K S R

124 CAGATTGCTAAAGCTGCAACTGCTGTACAGCTGGTGGTTCCTCTCTCTCTCCAGCCTTACCCTTGTGGAACTGTATAGCTTTG  
O I A K A A T A V T A G G S L L V L S S L T L V G T V I A L

214 ACTGTTGCAACACCTCTGCTCGTTATCTTCAGCCCAATCCTTGTCCCGGCTCTCATCAGTTGCACTCCTCATCACCGGTTTCTTTCC  
T V A T P L L V I F S P I L V P A L I T V A L L I T G F L S

304 TCTGGAGGGTTTGGCATTGCGGCTATAACCGTTTTCTCTTGGATTTACAAGtaagcacacatttatcatcttacttcataattttgtgca  
S G G F G I A A I T V F S W I Y K

394 atatgtgcatgcatgtgttgagccagtagctttggatcaatttttttggtcgaataacaaatgtaacaataagaaattgcaatttctagg

484 gaacatttgggttaactaaatacgaattttgacctagctagcttgaatgtgtctgtgtatatcatctatataggtaaaatgcttggatga

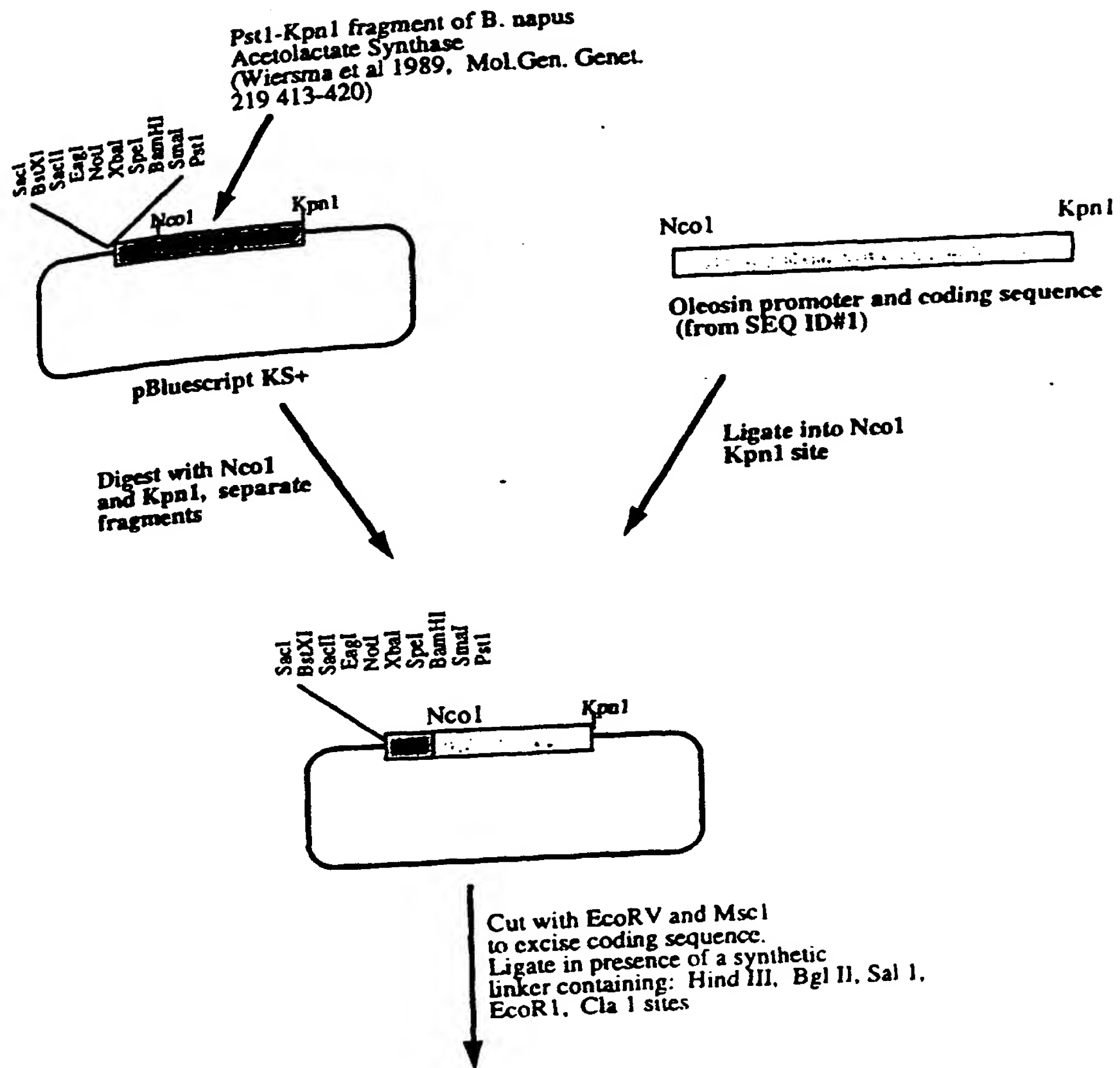
574 tacctattgattgtgaatagGTACGCAACGGGAGAGCACCCACAGGGATCAGACAAGTTGGACAGTGCAAGGATGAAGTTGGGAAGCAAA  
Y A T G E H P Q G S D K L D S A R M K L G S K

664 CCTCAGGATCTGAAAGACAGAGCTCAGTACTACGGACAGCAACATACTGGTGGGGAACATGACCGTGACCGTACTCGTGGTGGCCAGCAC  
A Q D L K D R A Q Y Y G O O H T G G E H D R D R T R G G Q H

754 ACTACTTAAGTTACCCCACTGATGTGATCGTCAATAGTCCAATACTCCAATGTCCGGGAGTTAGTTTATGAGGAATAAAGTGTTTAGAAT  
T T

844 TTGATCAGCGGGAGATAATAAAGCCGAGTTTGAATCTTTTGTATATAAGTAATGTTTATGTGTGTTTCTATATGTTGTCAAAATGGTACC  
KpnI

**FIGURE 3**



**FIGURE 3 cont'd**

